P20481.A06

**AMENDMENTS TO THE DRAWINGS:** 

The present amendments to the drawings are in response to the requirement by the

Draftsman in the PTO Form 948 dated October 22, 2003 and mailed in the action of

October 29, 2003. In response thereto, the attached sheets of drawings are all the same

size as required by the Draftsman.

Attachment: Replacements Sheets

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Application No. 09/764,991 Confirmation 4070
Applicant: Miyuki SASAKI et al. Attorney Docket No. P20481
Title: DATA STORAGE MEDIUM, DATA RECORDING AND REPRODUCING METHOD,
AND DATA RECORDING AND REPRODUCING APPARATUS
Responsive to Official Communication dated: October 29, 2003

REPLACEMENT SHEET

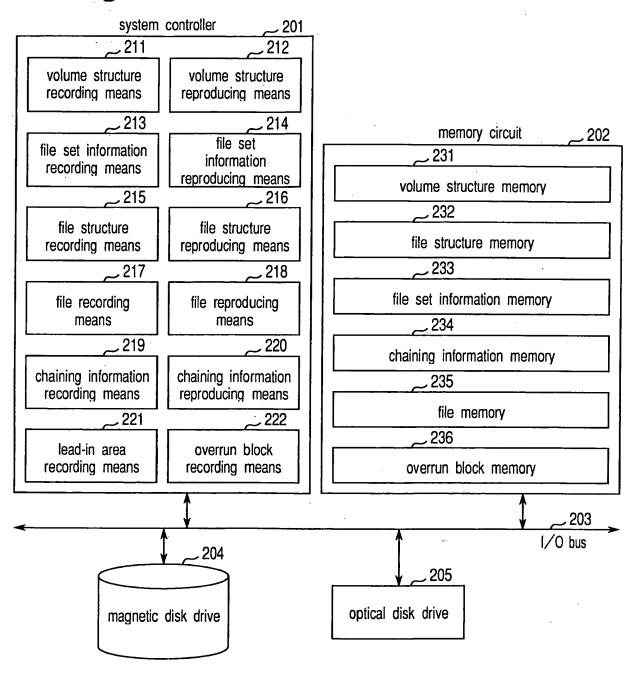
101   lead-in area	
≅ 103√ main volume structure area	
104 anchor point area  105 reserve volume structure area  105 anchor point area  106 anchor point area  107 link extent  107 link extent	
105 reserve volume structure area 106 anchor point area 107 link extent    descriptor tag   length of main/reserve	
106 anchor point area length of main/reserve	171
P = 107~\fink extent \\ \tag{ink extent}	171
- Laboration organization organization	172
## 108 file set in- file set descriptor 141 chaining information area	
	470
The state of the s	173
110 main chaining file entry(root) ~142	
information area indirect entry ~143 address information for	174
1	1/4
information area indirect entry ~145 \ area	
112 ~ link extent	
113 file structure directory file(root) ~146/ descriptor tag	175
	170
1 1114~ link extent / I chaining information area	176
115~\anchor point area	
116 verrun extent / address information for main	177
main chaining inc charginoty is chaining informatin area	.,,
1119 address information for	
Teserve chaining the entry (100t)	178
1 1 1 1 1 3 4 1 1 1 1 1 3 4 1 1 1 1 1 1	,
file structure / file area  data file(File-a) file entry(File-a) directory file(Dir-A) file entry(Dir-A)  151 152 153 154	
directory file(Dir-A) = 153	
Gle cote (Dir A)	
file entry(Dir-A) 154 directory file(root) 155	
	179
	113
file area file entry(File-b) 2156/ · · · allocation descriptor	
file area file entry(File-b) 157 allocation descriptor (root directory)	180
file entry(Dir-B) 2159 allocation descriptor	
file entry(Dir-B) 2159 allocation descriptor (link extent)	181
123 — link extent / allocation descriptor	
124~  anchor point area   /     (link extent)	182
1 1 25 \ overrun extent	
main chaining the entry(100t) (average autors)	183
information area indirect entry 162 (overrun extent)	
127 reserve chaining file entry(root) 163	
information area indirect entry 164 descriptor tag	184
128~   link extent     length of updated main/	
129 file structure data file(File-c) reserve chaining information	185
I III I / tilo area : Itilo entru/bilo el  III III	
directory file(Dir-C) address information for	
tile entry(Dir-C) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	186
directory file(root) information area	
131 dink extent	
132 dilicilo point area \ \ undated reserve chaining b.1	87
133 overrun extent updated reserve chaining information area	
unrecorded area	

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## Fig.2





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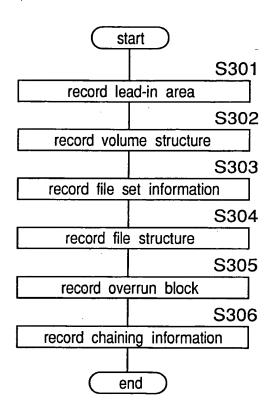
Applicant: Miyuki SASAKI et al.

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Fig.3



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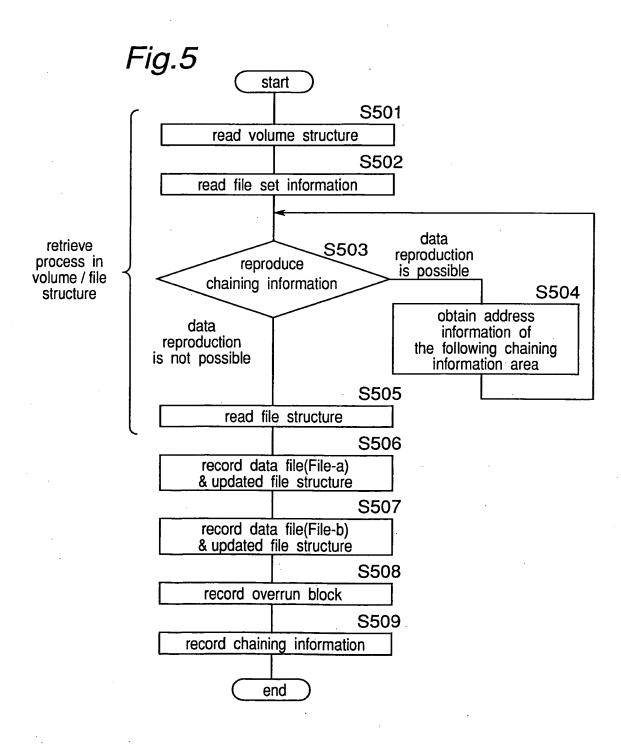
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Fig.4

				. —
	101~	lead-in area		- S301
	102~	link area	run-out block	%
			link block	===34:
			run-in block	
	103~	main volume	NSR descriptor	401
Ř	1000	structure area		100
ğ			primary volume descriptor	402
ω လ			implementation use volume descriptor	403
volume space-			partition descriptor	404
ᅙ			logical volume descriptor	405
			unallocated space descriptor	406
				<u>4</u> 07
<b>'</b>			terminating descriptor	408
:			logical volume integrity descriptor	—ſ~
		<u> </u>	<u> </u>	409
		anchor point are		
		reserve volume		410
		anchor point are		~
	107~	link extent	run-out block	
	>		link block	F=== <b>Y</b> F
-			run-in block	
	108~	file set in-	file set descriptors	141
Пг		formation area	first main chaining information area	
	<u> </u>		(first reserve chaining information area)	[
		1		
	109~	link extent	run-out block	
$\parallel \parallel \perp$	<b>&gt;</b>		link block	
			run-in block	142
	140 >	main chaining information area	tile entry(root)	142
	110~	information area		
			indirect entry	143
			start address information for unrecorded area	<b>→</b>
			<u>Start address information for unrecorded area+n</u>	<del></del>   <sub>144</sub>   <u></u>
	111	reserve chaining	file entry(root)	144 8
ТЩ		information area		
			indirect entry	145
ШН			start address information for unrecorded area	<b>  </b>
			start address information for unrecorded area+n	_
	112~	link extent	run-out block	
$\parallel \parallel \parallel \parallel$	— <u> </u>		link block	
	اميرا		run-in block	146
	113~	file structure are		
	114~	link extent	run-out block	
			link block	F===# <b>z</b>
	ļ		run-in block	
	ائ<115	anchor point are	<u> </u>	411 8
	116~	overrun	overrun block	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
144	<del></del>	extent	link block	
		3/1 <b>0</b> /11	run-in_block(unrecorded)	
¥ L	>		unrecorded area	412



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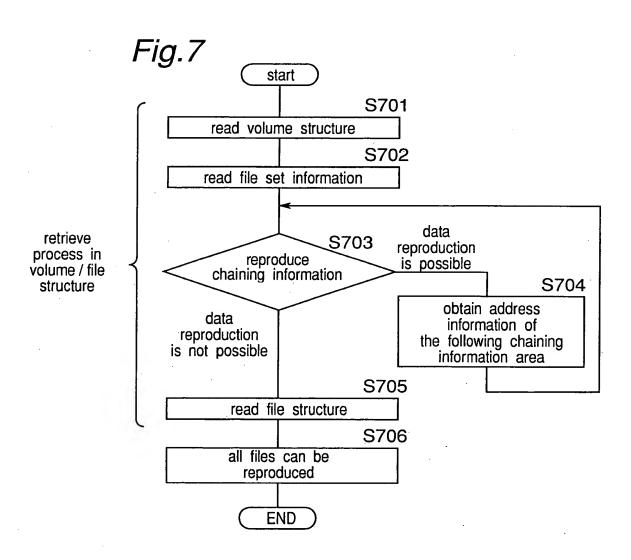


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it of	/				6/10 <b>Fig</b>	7.6		
Т			101~	lead-in area				Ţ,
	_		102~	link area				ormat process sequence
			103~	main volume str	ucture area			ğ
	space-		104 105 106 106	anchor point are reserve volume	structure area			SS
	Š	107	·1ŏŏ~	lanchor boint are	a			SS
	9	107	$\longrightarrow$	l link extent				8
	-volume		108~	file set in-	file set descriptor	ll ll	41	# #
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ä	3	1			(first reserve chaining information area)			유
מונים	3		109~	link ovtont		——		
-data recording	?	-11	110~	link extent main chaining	file entry(root)	1	42	1
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ā	<u> </u>			·		=-4₁	43	1
5	<b>!</b>				file set descriptor	<u></u>		
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	Ш	Ш	111~	reserve chaining	file entry/reet)	<del></del>	44	
ı		1]1	<del>'''&gt;</del>	information area	Cinualid extents	<u> </u>	• • •	
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ļ			<b>115</b> ∽	anchor point are overrun extent	a			
-		₩	116~			<sub>-</sub> -	- 7 = T	<u>*</u>
l	1	11	117~	main chaining information area	file entry(root)	\ <sup>]</sup>	47	၈
1	١r	$\mp$		information area	Linvalid extents	<b></b> ↓,	48	යි
ŀ	- 11				indirect entry	\ <sup>\</sup>	40	
ŀ	Ш	+			start address information for unrecorded area start address information for unrecorded area+n	<b></b>		얼
	- [ [	$\ \cdot\ _{\Gamma}$			start address information for unrecorded area+n		40	9
ı	Ш	Ш	118√	reserve chaining information area	file entry(root)	\ <sup>\</sup>	49	record sequence.
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ŀ	Ш	11			indirect entry	h	50	
	Ш	H			start address information for unrecorded area		-	file r
	H		110 ~		start address information for unrecorded area+n	<u> </u>		. =
ı	H	╫	1195	link extent	J_1_ E!_ (F!)	<del></del> -F∓	51	4:
- 1	Ш		100 -	file structure	data file(File-a)	——\\\	51 52	
ŀ	Ш		120~	∕file area	file entry(File-a)	\\ <sup>*</sup>	,JZ 52	اصا
					directory file(Dir-A)	h	53 54	S506
	Ш				file entry(Dir-A)	\ <sub>}</sub> ;	55 55	တ
١	П		101 -		directory file(root)		၁၁	
	H	₩	1215	link extent		<del></del> -F∓	Ēēŧ	<b>y</b> _
- 1	Ш		122~	file structure	data file(File-b)		56	
	П			∕file area	file entry(File-b)		57	~
	П				directory file(Dir-B)		58 59	က္က
					file entry(Dir-B)			တ
			400		directory file(root)	1	60	- 1
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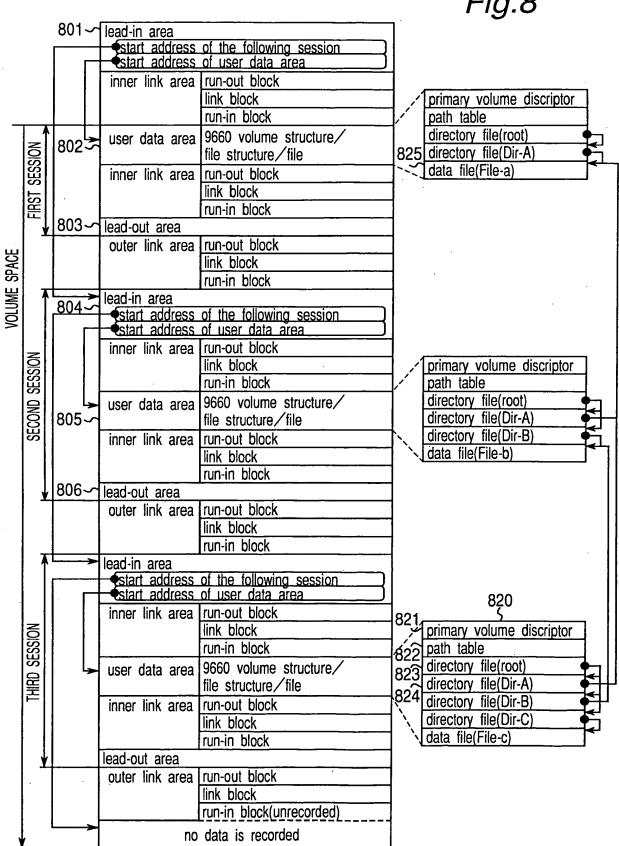
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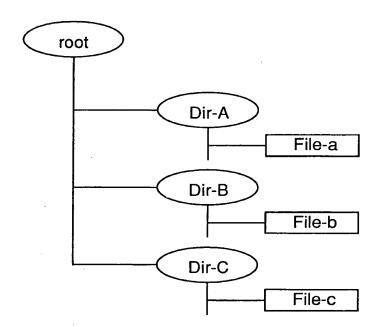
Fig.8





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Fig.9





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Fig.10

